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NOTICE OF ALLOWANCE AND FEE(S) DUE

22428 7590 07/27/2009
FOLEY AND LARDNER LLP
SUITE 500
3000 K STREET NW

WASHINGTON DC 20007

EXAMINER
CHAWAN, SHEELA C
ART UNIT PAPER NUMBER
2624

DATE MAILED: 07/27/2009

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.			
10/560,048	06/05/2006	Isao Sato	028340-0103	8179			
TITLE OF INVENTION: THREE-DIMENSIONAL SHAPE-MEASURING DEVICE							

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	10/27/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT, PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further c indicated unless correcte maintenance fee notificat	form should be used for correspondence including d below or directed oth ions.	or transmitting the ISS of the Patent, advance of terwise in Block 1, by (UE FEE and PUBLICATI orders and notification of r (a) specifying a new corres				
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.			
22428	7590 07/27	/2009			ificate of Mailing or		
SUITE 500 3000 K STREET			I he Stat addi tran	ceby certify that thi	s Fee(s) Transmittal i	ie beina (eposited with the United class mail in an envelope sove, or being facsimile indicated below.
WASHINGTON	, DC 20007						(Depositor's name)
							(Signature)
							(Date)
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10/560,048	06/05/2006		Isao Sato		028340-0103		8179
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nonprovisional	NO	\$1510	\$300	\$0	\$1810)	10/27/2009
EXAMI	NER	ART UNIT	CLASS-SUBCLASS				
CHAWAN, S	SHEELA C	2624	382-154000	-			
"Fee Address" indi- PTO/SB/47; Rev 03-02 Number is required. 3. ASSIGNEE NAME AN	ess an assignee is identi i in 37 CFR 3.11. Comp	'Indication form ed. Use of a Customer A TO BE PRINTED ON	(1) the names of up to or agents OR, alternative (2) the name of a singly registered attorney or a 2 registered patent atto listed, no name will be THE PATENT (print or type data will appear on the p DT a substitute for filing an (B) RESIDENCE: (CITY	vely, e firm (having as a agent) and the name meys or agents. If a printed. be) atent. If an assigne assignment.	member a 2es of up to to name is 3ee is identified below		ument has been filed for
Please check the appropri-	re submitted:	4	winted on the patent): b. Payment of Fee(s): (Plea		·		o entity Government
	o small entity discount p	ermitted)	☐ Payment by credit card. Form PTO-2038 is attached. ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any				
Advance Order - #	of Copies		overpayment, to Depo	authorized to charge sit Account Numbe	ge the required fee(s), r(en	any defic	extra copy of this form).
	SMALL ENTITY statu	s. See 37 CFR 1.27.	b. Applicant is no lon				
NOTE: The Issue Fee and interest as shown by the re	Publication Fee (if requeecords of the United Sta	ired) will not be accepte tes Patent and Trademari	ed from anyone other than t k Office.	he applicant; a regis	stered attorney or agei	nt; or the	assignee or other party in
Authorized Signature				Date			
Typed or printed name				Registration N			
This collection of informs an application. Confidenti submitting the completed this form and/or suggestic Box 1450, Alexandria, Vi Alexandria, Virginia 2231	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this but irginia 22313-1450. DC (3-1450.	FR 1.311. The informati U.S.C. 122 and 37 CFR USPTO. Time will var- den, should be sent to the ONOT SEND FEES OR	on is required to obtain or r 1.14. This collection is est y depending upon the indiv the Chief Information Office COMPLETED FORMS TO	etain a benefit by the imated to take 12 m idual case. Any co- er, U.S. Patent and D THIS ADDRESS	ne public which is to f ninutes to complete, is mments on the amous Trademark Office, U.S. SEND TO: Commis	ile (and b neluding nt of time S. Depart sioner fo	by the USPTO to process) gathering, preparing, and you require to complete ment of Commerce, P.O. r Patents, P.O. Box 1450,

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SUITE 500			ART UNIT	PAPER NUMBER	
3000 K STREET NW WASHINGTON, DC 20007			2624 DATE MAII ED: 07/27/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 511 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 511 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Application No. Applicant(s) 10/560,048 SATO ET AL. Notice of Allowability Examiner Art Unit SHEELA C. CHAWAN 2624 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. This communication is responsive to 3/23/09. The allowed claim(s) is/are 1-13. 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). b) ☐ Some* c) ☐ None of the: 1. A Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. __ 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). * Certified copies not received: _____. Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. CORRECTED DRAWINGS (as "replacement sheets") must be submitted. (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d). 6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. Attachment(s) 1. | Notice of References Cited (PTO-892) 5. Notice of Informal Patent Application 6 Interview Summery (PTO-413) Notice of Draftperson's Patent Drawing Review (PTO-946). Paper No./Mail Date 3. Information Disclosure Statements (PTO/SB/08), T Examiner's Amendment/Comment Pacer No./Mail Date 4. T Examiner's Comment Regarding Requirement for Deposit Examiner's Statement of Reasons for Allowance of Biological Material

Primary Examiner, Art Unit 2624

/S. C. C./

9. ☐ Other

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DETAILED ACTION

Response to Amendment

Applicant's amendment filed on 3/23/09 has been entered.

Claims 1-13 are pending in the application.

Applicant's amendment filed on 3/23/09 has been entered.

In response to applicant's amendment and persuasive arguments, all the prior art rejection has been withdrawn.

Response to Arguments

Applicant's arguments filed on 3/23/09 have been fully considered and
persuasive (see page 5 - 7, of the remarks filed on 3/23/09), with respect to the rejection
of claims 1-13 under 102(e) rejection have been fully considered and are persuasive.

Therefore, the rejection has been withdrawn and claims 1-13 are now allowed.

Reasons For Allowance

The following is an examiner's statement of reasons for allowance:
 Claims 1-13 are allowed.

Applicant's arguments filed on 3/23/09 have been fully considered and persuasive (see page 5 - 7, of the remarks filed on 3/23/09). The prior art of record Matsumoto (US.6,965,690) discloses a system with a pattern projecting section 12 for projecting a pattern onto a target 10, where the target with the pattern projected is captured by light receiving sections 13 (FIG. 1). The Matsumoto system also includes a controlling section 14 and a processing section 15 that receives captured image data.

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The Matsumoto system is directed to determining the rough shape of a target object by a silhouette method and determining the detailed shape of the object by a triangulation method. Matsumoto fails to disclose or suggest either a first and second shift of the pattern. The two shift patterns as recited in conjunction with the other features of claim 1 make it possible to simultaneously grasp the states of various parts of the object, for example the overall shape of the object as well as the state of motion of the object, including small motion such as the breath motion of a person. Indeed, Matsumoto is merely directed to determining the rough shape and detailed shape of an object by different methods, and is not particularly concerned with determining the motion of an object, as recited by claim 1, the prior art of record fails to teach either singularly or in combination, fails to anticipate or render the above limitations obvious.

4. Any comments considered necessary by applicant must be submitted on later than the payment of the issue fee and to avoid processing delays should preferably accompany the issue fee. Such submissions should be clearly labeled, comments on statement of reasons for allowance.

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Contact Information

 Any inquiry concerning this communication or earlier communications from the examiner should be directed to SHEELA C. CHAWAN whose telephone number is (571)272-7446. The examiner can normally be reached on 7.30-5.00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vikkram Bali can be reached on 571-272-7401. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free)? If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

IS C.C.I

Primary Examiner, Art Unit 2624

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